Rheumatoid Arthritis 2016 Prevalence, Drug Treatment, and Total Medical and Pharmacy Claims Expense in a 15 Million Member Commercically Insured Population

### Background
- In 2016, an estimated 43 million adults in the United States had a body mass index (BMI) of 25 kg/m² or greater.
- Rheumatoid arthritis (RA) is a chronic inflammatory autoimmune disease that primarily affects the joints.
- Total medical and pharmacy claims for RA members are expected to exceed $15 billion in 2016.

### Methods
- The study was conducted using pharmacy and medical claims incurred from 2013 through 2016.
- The analysis was conducted at the pharmacy claim or medical claim level.
- Claims were extracted for all members in the RA and not RA groups.

### Objective
- To determine the annualized medical and pharmacy... indicative of RA disease activity.
- Total medical and pharmacy claims... comparable to those with a known RA diagnosis.

### Limitations
- The results are not generalizable to patients outside the study population.
- The results cannot be extrapolated to... For more information, please see...

### Conclusions
- The findings of this study are not generalizable to patients outside the study population.
- The results cannot be extrapolated to patients outside the study population.
- Further research is needed to determine the impact of RA on the healthcare system.

### References
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- Arthritis Care Res. 2: 1031-1040
- Arthritis Care Res. 1: 1031-1040

### Table 1: Study Members’ Most Frequent Disease-Modifying Antirheumatic Drug (DMARD) Therapy, Other Drug Therapies, and Rheumatologist Care

<table>
<thead>
<tr>
<th>DMARD</th>
<th>Incidence</th>
<th>No DMARD</th>
<th>Incidence</th>
<th>b/tsDMARD</th>
<th>csDMARD</th>
</tr>
</thead>
<tbody>
<tr>
<td>RA members</td>
<td>84.8%</td>
<td>5.0%</td>
<td>100.0%</td>
<td>64.1%</td>
<td>35.9%</td>
</tr>
<tr>
<td>Not RA members</td>
<td>73.4%</td>
<td>5.0%</td>
<td>100.0%</td>
<td>66.1%</td>
<td>33.9%</td>
</tr>
</tbody>
</table>

### Table 2: 2016 Total Medical and Pharmacy Costs Per Person Per Year (PPPY)

<table>
<thead>
<tr>
<th>Category</th>
<th>RA members</th>
<th>Not RA members</th>
</tr>
</thead>
<tbody>
<tr>
<td>Medical claims</td>
<td>82.3%</td>
<td>62.7%</td>
</tr>
<tr>
<td>Pharmacy claims</td>
<td>17.7%</td>
<td>37.3%</td>
</tr>
<tr>
<td>Total</td>
<td>100.0%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>